**User Guide** 

# INSIĞNIA

12 Megapixel Digital Camera

NS-DSC1112SL/NS-DSC1112SL-CN

# INSIGNIA

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# INSIĜNIA \_\_\_\_\_

# Important safety instructions



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying your camera.

- 1 Read these instructions.
- **2** Keep these instructions.
- 3 Heed all warnings.
- **4** Follow all instructions.
- 5 Do not use this apparatus near water.
- **6** Clean only with a dry cloth.
- 7 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 8 Only use attachments/accessories specified by the manufacturer.
- **9** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- **10** To reduce the risk of fire or electric shock, do not expose this device to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.

### **Battery information**

#### Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or compatible type.

- Batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
- Turn off the camera before inserting or removing the battery.
- Use only the provided battery or the type of battery specified in this manual with your camera. Using other types of batteries may damage the camera and invalidate the warranty.
- Make sure that the battery is inserted correctly. Inserting the battery upside down can cause damage to the product and possibly cause an explosion.
- When the camera is used for an extended period of time, it is normal for the camera body to feel warm.
- Download all pictures and remove the battery from the camera if you are going to store the camera for a long period of time.
- If battery power runs down while the lens is extended, the camera may not have enough power to retract the lens. Replace the battery, then press the power button twice until the lens retracts.

### Insignia 12 Megapixel Camera

### Introduction

Front

Congratulations on your purchase of a high-quality Insignia product. Your NS-DSC1112SL or NS-DSC1112SL-CN is designed for reliable and trouble-free performance.

### Features

### **Package contents**

- Digital camera
- Li-ion battery (NP45)
- Battery charger
- Wrist strap
- USB cable
- CD with User Guide
- Quick Setup Guide

### **Main features**

- 12 megapixel resolution
- 4x optical zoom and 5x digital zoom
- 1/2.3 inch image sensor
- 2.7-inch color LCD
- 32 MB internal flash memory (approximately 20 MB is available for photo and video capture)
- Supports SD cards up to 4 GB, and SDHC cards up to 32 GB
- Simplified user menus
- USB connector to transfer photos and videos to your PC

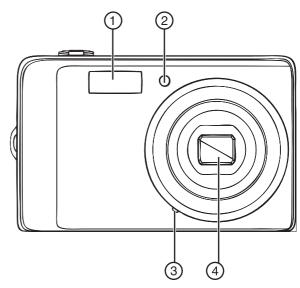
### System requirements

### For Windows:

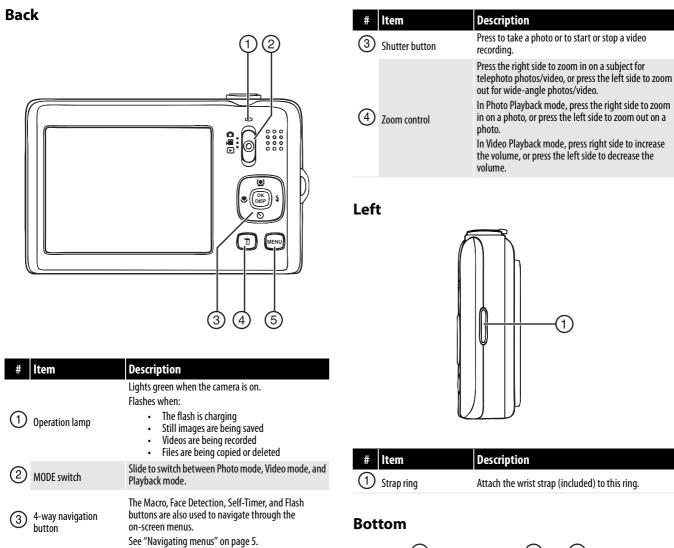
- Operating system: Windows XP, Windows Vista, Windows 7
- Processor: Pentium II 450 MHz or above
- Memory: 256 MB or above
- Hard drive space: 200 MB or above
- 16-bit color display monitor
- USB connector and CD drive

### For Macintosh

- Operating system: Mac OS 10.x or higher
- Power Mac G3 or later
- Memory: 64 MB or above
- Hard drive space: 110 MB or above
- 16-bit color display monitor
- USB connector and CD-ROM drive

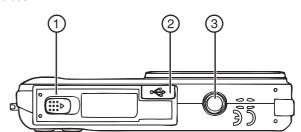


#	ltem	Description
1	Flash	Lets you take photos in low-light conditions.
2	Self-timer/Focus assist LED	Lights in low-light settings when the focus assist function is turned on, or flashes to indicate that the self-timer is activated.
3	Microphone	Records audio during video capture.
4	Zoom lens	Used for photo/video capture.



4 Delete button
 5 MENU button
 Press to delete a photo or video.
 5 MENU button
 Press to open or close the on-screen menu.

#	ltem	Description
1	LCD backlight button	Press to increase the LCD brightness for 10 seconds.
2	ப் button	Press to turn your camera on or off.



#	ltem	Description
1	Battery/SD memory card compartment	Insert the battery into this compartment. For more information, see "Installing the battery" on page 4. Insert an SD or SDHC memory card (not included) into this compartment. For more information, see "Installing a memory card" on page 5.
2	USB connector	Lets you connect your camera to a computer.
3	Tripod socket	Use to mount the camera to a tripod.

# INSIĜNIA \_\_\_\_\_

### Setting up your camera

### **Charging the battery**

### To charge the battery:

- 1 Connect the battery charger to a power outlet.
- 2 Insert the battery into the charging slot. Make sure that the + and on the battery align with the + and in the charging slot.

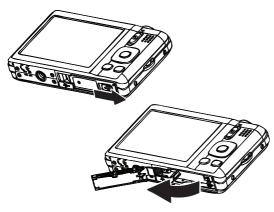
The charger LED lights orange while the battery is charging. When the battery is fully charged, the charger LED lights green.

### Installing the battery

Make sure that you read and follow the battery cautions in "Battery information" on page 1.

### To install the battery:

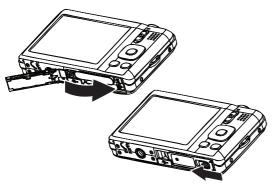
- 1 Make sure your camera is turned off.
- 2 Slide the cover in the direction of the arrow, then lift the cover away from the battery compartment.



3 Insert the battery into the battery compartment. Make sure that the + and – symbols on the battery line up with the + and – symbols on your camera.



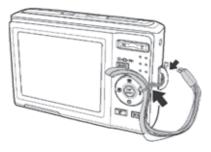
4 Close the battery compartment cover, then slide the cover in the direction of the arrow to lock it in place.



### Attaching the wrist strap

### To attach the wrist strap:

1 Insert the short loop on the strap through the strap ring.



2 Thread the large loop through the short loop, then pull tight.

### Understanding camera memory and file names

### Internal memory

Your camera is equipped with 32 MB of internal memory. Approximately 20 MB of the internal memory is available for photo and video storage. If no memory card is inserted in the memory card compartment, all photos and videos captured are automatically stored in the internal memory.

### External memory

Your camera supports SD cards up to 4 GB and SDHC cards up to 32 GB. If there is a memory card inserted in the card slot, your camera automatically saves all photos and videos in the memory card. The 4 icon indicates your camera is using the memory card.

### File names

File names begin with "DSCI" and are followed by a four-digit number that increases in sequence. File numbering starts from 0001 when a new folder is created.

If the highest folder number is 999 and the highest file number exceeds 9999, your camera will display the warning message "Folder cannot be created." When this happens, insert in a new memory card.

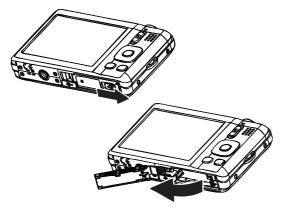
Caution

Do not change the folder and file names in your camera's internal memory or the memory card using your PC. Your camera may be unable to play back the files.

### Installing a memory card

### To install a memory card:

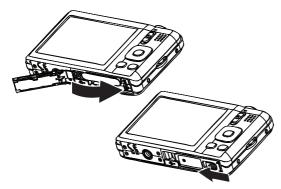
1 Open the memory card compartment on the bottom of your camera.



2 Insert the SD or SDHC memory card into the card slot with the metallic part facing the front of the camera.



- **3** Push the SD or SDHC memory card into the slot until it clicks into place.
- 4 Close the compartment.

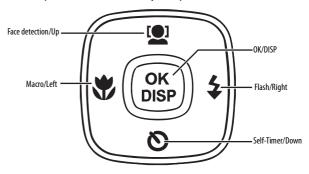


### To remove the SD/SDHC card:

- **1** Open the memory card compartment.
- 2 Gently push the card until it pops out.
- **3** Carefully pull out the card, then close the compartment.

### **Navigating menus**

The 4-way navigation control and the **OK/DISP** button let you access the various menus available from the on-screen display (OSD). You can configure a wide range of settings to ensure optimal results from your photos and videos.



ltem	Description
!	<ul> <li>In Photo mode, press to turn face detection on or off.</li> <li>In menu mode, press to navigate up through menu and submenu selections.</li> <li>In Video Playback mode, press to start/pause video playback.</li> <li>Face detection is only available for photos.</li> </ul>
♥/ ◄	<ul> <li>In Playback mode, press to view the previous image or video clip. Press and hold down to scroll rapidly through images and video clips.</li> <li>In Video Playback mode, press to rewind video playback.</li> <li>In menu mode, press to exit a submenu.</li> </ul>
OK/DISP	<ul> <li>In Menu mode, press to confirm selections.</li> <li>In Photo Playback mode, press to display or hide detailed information about the photo.</li> <li>In slideshow mode, press to exit.</li> <li>In thumbnail mode, press to show a selected image or video clip full-screen.</li> <li>In Video Playback mode, press to show or hide the volume bar, time bar, and navigation control icon.</li> </ul>
\$/►	<ul> <li>In Photo mode, press to toggle the flash mode (Auto, Red-eye Reduction, Forced On, Slow Sync, and Forced Off).Flash modes are only available for photos.</li> <li>In Playback mode, press to view the next image or video clip. Press and hold down to scroll rapidly through images and video clips.</li> <li>In Video Playback mode, press to enter the submenu or to navigate through the menu selections.</li> <li>Flash mode is only available for photos.</li> </ul>
©/▼	<ul> <li>In Photo mode, press to turn the self-timer on or off.</li> <li>In Video Playback mode, press to stop video playback.</li> <li>In menu mode, press to navigate down through menu and submenu selections.</li> <li>The self-timer is only avaiable for photos.</li> </ul>

### **Initial settings**

- If the battery is removed for longer than 48 hours, the date and time must be reset.
  - If you reset your camera to the default settings, you will have to select the menu language and set the date and time again.

When you turn on your camera for the first time, your camera will be in Simple Mode. Simple Mode hides advanced settings and makes your camera easier to operate.

Your camera's default settings are:

- Quality: Fine
- Resolution: High (10 megapixels)
- ISO: Auto
- Color Balance: Auto.
- **Stabilizer:** Off. Image stabilization is ideal for reducing blurred images that may be caused by shaky hands or low-light conditions. Turn off stabilization when using a tripod.
- Self-timer: Off.
- Focus Light: On.
- Metering Function: Multi.
- Burst Mode: Off.
- **Beep:** On. When beeps are turned on, an alert is heard when key functions are accessed.
- Quick View: On.
- Date Stamp: Off.
- Power Save: On.
- Battery Type: Alkaline.
- **Help Text:** On. A brief description of what the advanced settings do is provided by viewing the help text at the bottom of the screen. To view the help text, highlight any menu option.
- **Simple Mode:** On. Turn off Simple Mode to access advanced settings.

### Understanding camera modes

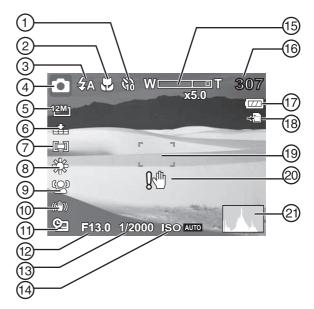
Your camera has three modes: Photo, Video, and Playback.

- Photo mode is for capturing still images.
- 📲—Video mode is for capturing video.

Playback mode is for playing captured images and videos.

### **Understanding the LCD**

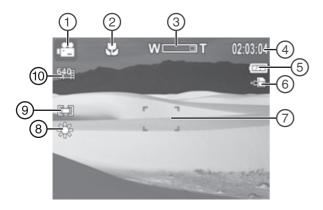
### Photo mode



#	ltem	Description	
1	Self-timer	Appears when the self-timer is turned on. For more information, see "Using the self-timer" on page 11.	
2	Macro	Appears when Macro mode is turned on. For more information, see "Using the macro feature" on page 11.	
3	Flash	Shows the flash setting. For more information, see "Using the flash" on page 11.	
4	Mode indicator	A camera icon appears when your camera is in Photo mode. For more information, see "Understanding camera modes" on page 6.	
5	Resolution	Shows the image resolution setting. For more information, see "Setting the resolution" on page 14.	
6	Quality	Shows the quality setting. For more information, see "Setting the quality" on page 14.	
7	Metering	Shows the metering setting. For more information, see "Setting the metering function" on page 17.	
8	Color Balance	Shows the color balance setting. For more information, see "Setting the color balance" on page 15.	
9	Face detection	Appears when face detection is turned on. For more information, see "Using face detection" on page 12.	
10	Stabilizer	Appears when the stabilizer feature is turned on. For more information, see "Turning the stabilizer function on or off" on page 16.	
(1)	Date stamp	Appears when the date stamp feature is turned on. For more information, see "Imprinting the date and time on photos" on page 21.	
(12)	Aperture value	Shows the aperture value automatically selected by your camera.	
(13)	Shutter speed	Shows the shutter speed automatically selected by your camera.	
(14)	ISO	Shows the ISO setting. For more information, see "Setting ISO" on page 15.	
(15)	Zoom indicator	Shows the zoom setting. For more information, see "Using the zoom control" on page 10.	

#	Item Description	
16	Shots remaining	Shows the number of remaining shots.
17	Battery	Shows the battery level.
18	Storage media	A memory card icon is displayed when files are being stored to an inserted memory card. A camera icon is displayed when files are being stored to the camera's internal memory.
(19	Focus area	Frames the area to be captured.
20	Shake warning	Appears when the camera is shaking.
21	Histogram	Shows the light level for the current image.

### Video mode



#	ltem	Description	
1	Mode indicator	A movie icon appears when your camera is in Video mode. For more information, see "Understanding camera modes" on page 6.	
2	Macro	Appears when Macro mode is turned on. For more information, see "Using the macro feature" on page 11.	
3	Zoom indicator	Shows the zoom setting. For more information, see "Using the zoom control" on page 10.	
4	Video remaining	Shows the length of video that can be captured with the available camera memory (or memory card memory, if inserted).	
5	Battery	Shows the battery level.	
6	Storage media	A memory card icon is displayed when files are being stored to an inserted memory card. A camera icon is displayed when files are being stored to the camera's internal memory.	
7	Focus area	Frames the area to be recorded.	
8	Color Balance	Shows the color balance setting. For more information, see "Setting the color balance" on page 15.	
9	Metering	Shows the metering setting. For more information, see "Setting the metering function" on page 17.	
10	Resolution	Shows the image resolution setting. For more information, see "Setting the resolution" on page 14.	

### Playback mode (Photo)

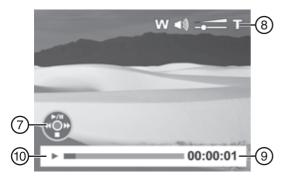


#	ltem	Description
1	Mode indicator	A playback icon appears when your camera is in Playback mode. For more information, see "Understanding camera modes" on page 6.
2	Current file/Total files	Shows the current file number and the total number of files.
3	Battery	Shows the battery level.
4	Storage media	A memory card icon is displayed when the file being played back is stored on the memory card. A camera icon is displayed when the file being played back is stored in the camera's internal memory.
5	Histogram	Shows the light level when the photo was taken.
6	Recording information	Shows the settings used when the photo was taken.

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### Playback mode (Video)





#	ltem	Description	
1	Mode indicator	A playback icon appears when your camera is in Playback mode. For more information, see "Understanding camera modes" on page 6.	
2	Video clip	Shows that the current file is a video.	
3	Current file/ Total files	Shows the current file number and the total number of files.	
4	Battery	Shows the battery level.	
5	Storage media	A memory card icon is displayed when the file being played back is stored on the memory card. A camera icon is displayed when the file being played back is stored in the camera's internal memory.	
6	Recording information	Shows settings used when the video was recorded.	
7	Button indicator	Shows the buttons to press to control video playback.	
8	Volume	Shows the current volume level.	
9	Played time	Shows the amount of time the video has been playing.	
10	Playback status	Shows the current playback status, such as playing or paused.	

### **Changing the LCD configuration**

You can change the type of information that is displayed on the LCD.

#### Notes

- If the Face Detection, Flash, Self-timer, Macro, • and Stabilizer features are turned on in Photo mode, or the Macro feature is turned on in Video mode, the icons are displayed even when the OSD is turned off.
- You cannot change the LCD configuration when recording or playing videos.

### To change the LCD configuration:

• Press **OK/DISP** one or more times. Each time you press this button, the information displayed changes.

### Photo mode





OSD off

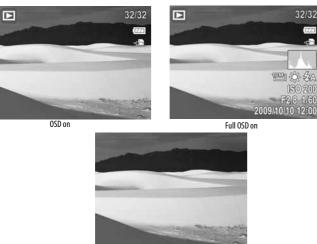
### Video mode





9 OSD off

### Playback mode



OSD off

### Using your camera

### Turning your camera on and off

### To turn on your camera:

• Press and hold 🕁 until the Insignia startup image appears. The zoom lens extends, and if sounds are turned on, a startup sound plays.

### To turn off your camera:

・Press 心.

### Turning on your camera for the first time

When you turn on your camera for the first time, you need to choose a menu language and set the date and time.

### To choose a menu language and set the date and time:

1 Turn on your camera. The *Select Language* screen opens.



2 Press **■**/▲ or **●**/▼ to select a language, then press **OK/DISP**. The *Select Time and Date* screen opens.

INS

12:00 AM	
01/01/2010	
MM/DD/YYYY	

3 Press  $\square / \blacktriangle$  or  $\bigcirc / \lor$  to set the hour, then press  $\checkmark / \triangleright$  to move to the minute field.

Tip		
	You can press and hold a navigation button to change the values continuously.	_

4 Repeat Step 3 to select the minutes, AM or PM, and to enter the month, day, and year.

Note		
	If the battery is removed for longer than 48 hours, the date and time must be reset.	

### Changing camera modes

### To change camera modes:

- Slide the **MODE** switch to select a mode. The icon for the current mode appears in the upper-left of the LCD.
  - 🖸 Photo mode icon.
  - Wideo mode icon.
  - Playback mode icon.

### Turning Simple mode on or off

When you turn on your camera the first time, it will be in Simple mode. Simple mode hides advanced user settings and less frequently used menu options, while still letting you take high quality images and video.

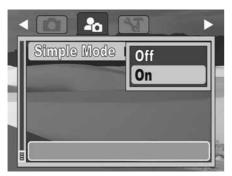
### To turn Simple mode on or off:

- **1** Turn on your camera.
- 2 Slide the MODE switch to select Photo and the mode or Video mode. The mode icon appears on the upper-left of the LCD.
- 3 Press MENU. The on-screen menu opens.





5 Press . or . v to highlight Simple Mode, then press OK/DISP to open the submenu.

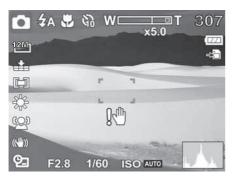


- 6 Press **I**/▲ or **I**/▼ to highlight **Off** or **On**, then press **OK/DISP** to save the setting and exit to the previous menu.
- 7 Press **MENU** again to exit the on-screen menu and begin taking photos or video.

### **Taking photos**

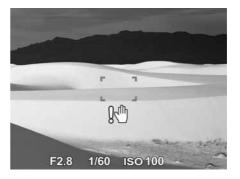
### To take photos:

- 1 Turn on your camera.
- 2 Slide the **MODE** to switch to Photo mode. The Photo mode icon appears in the upper-left of the LCD.



**3** Frame the image using the focus bracket on the LCD.

4 Press the shutter button down halfway. Your camera automatically adjusts the focus and exposure. When your camera is ready to take the photo, the focus bracket turns green, and the aperture value, shutter speed, and ISO setting are displayed.



### Note

If the shake warning ! icon appears on the LCD, hold the camera steady, with your arms at your sides, or use a tripod to stabilize the camera in order to prevent blurred images.

**5** Fully press the shutter button to capture the image.

### Using the zoom control

• Your camera features 4x optical zoom and 5x digital zoom.

### To use the zoom control:

• Press left to zoom out. Press right to zoom in.



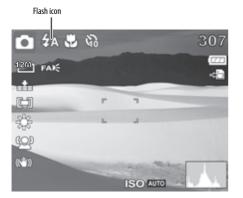
The zoom indicator appears on the LCD. The section of the zoom indicator on the right side indicates that digital zoom is being used.

### Using the flash

When taking photos in difficult lighting conditions, use the flash to get correct exposure. This function cannot be activated for recording video.

### To activate the flash:

 Press \$\$ on the navigation control repeatedly until the flash mode you want is displayed on the LCD.



Your camera is equipped with five flash modes:



Auto flash—Flash fires automatically when shooting conditions require extra lighting.



**Red-eye reduction**—Flash fires twice--once to let the subject's eyes adjust to the flash, then again to take the actual image.



Force on—Flash fires every time you take a photo, regardless of lighting conditions.

**Slow sync (fill flash)**—Flash fires with a slow shutter speed. Ideal for situations where additional lighting is needed for subjects in the foreground.

**Flash off**—The flash never fires, regardless of lighting conditions.

### Notes

- Flash charging time may increase when the battery is low.
- Hold the camera steady, or mount it on a tripod, to reduce blurring when using the slow sync flash mode.

### Using the self-timer

Self-timer lets you take photos after a 10-second delay. This function is available only when capturing still images. When the self-timer is turned on, the icon is displayed on the LCD. The self-timer setting is automatically set to **Off** when you turn your camera on or off.

### To turn on the self-timer:

1 Press O on the navigation control to turn on the self-timer. When the self-timer is turned on, the shutter release is delayed for 10 seconds.



2 Press the shutter button to take the photo. Your camera will take the photo 10 seconds later.

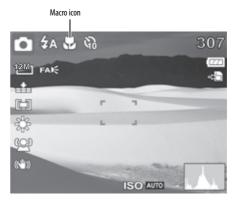
### Notes When using the self-timer, make sure that you use a tripod or place your camera on a level, stable surface.

### Using the macro feature

Your camera is equipped with a macro feature that lets you focus on very close subjects.

### To use the macro feature:

1 Press 🖤 on the navigation control. The macro icon appears on the LCD.



- 2 Aim your camera at the subject you want to capture.
- **3** Half-press the shutter button to focus.
- **4** Fully press the shutter button to capture the image or video.

### Using face detection

INSIGNIA

The face detection mode detects faces and sets the camera to focus on detected faces. This function can detect several faces at the same time. However, the camera sets the focus on the person closest to the center of the LCD screen. This function is only available for capturing still images.

### To use face detection:

1 Press 🛄 on the navigation control. The face detection icon appears on the LCD.



Facing tracking \_\_\_\_\_

- 2 Aim your camera at the subject you want to capture. White frames appear around faces that are detected.
- **3** Half-press the shutter button to focus. The white frame closest to the center of the screen turns green.
- **4** Fully press the shutter button to capture the image.

Note

When capturing an image with several faces, face detection may take more time to detect faces than it does when the image has only one face.

### **Recording video**

You can record videos with your camera. The available recording time depends on the available capacity of the internal memory or the memory card in use. Videos can be recorded until the maximum memory capacity has been reached. About 15 minutes of video can be recorded for every gigabyte of memory space.

### To record video:

- 1 Slide the **MODE** switch to switch to Video is mode.
- **2** Focus your camera on the subject that you want to record.



**3** Press the shutter button to start recording.



- **4** Press the right side of the zoom control to zoom in or the left side of the zoom control to zoom out.
- 5 Press **■**/**▲** to pause recording. Press again to continue recording.
- 6 Press the shutter button to stop recording.

#### Note

- When the maximum capacity for a single video has been reached, press the shutter button again to continue recording.
- Your camera will automatically stop recording when the memory capacity is full.
- When recording videos, the audio recording mutes during zoom operation.

### **Viewing photos and videos**

Playback mode lets you view the photos and videos you have captured with your camera. Photos are displayed on the LCD one by one. If the file is a video, the first frame of the video is displayed.

### **Viewing photos**

### To view photos:

- 1 Slide the **MODE** switch to switch to Playback mode. The LCD displays an image. For information about the screen icons, see "Playback mode (Photo)" on page 7.
- 2 Press ♥/ destrict or \$/ best to view the previous or next photo.

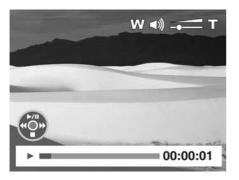
### **Viewing videos**

### To view videos:

1 Slide the **MODE** switch to switch to Playback mode.



2 Press 🖳 / 🛦 to play the video.



- **3** During playback:

  - Press the right side of the zoom control to increase the volume or the left side of the zoom control decrease the volume.
  - Press **I**/▲ to pause or resume playback.
  - To forward or rewind the video frame by frame, press million /▲ to pause playback, then press million / .
  - Press O/▼ to stop playback. The LCD displays the first frame of the video.

### Zooming photos in Playback mode

The zoom view function works with photos only.

### To zoom photos in Playback mode:

1 Use standard procedures to select the photo you want to view, then press the right side of the zoom control to zoom in or the left side of the zoom control to zoom out. You can zoom in on an image up to 5×.



- 2 Press ♥/◀, \$/►, ♥/▲, or ♥/▼ to view different sections of the zoomed image.
- 3 Press MENU to close the zoom view.

### Using the thumbnail view

The thumbnail view lets you view saved photos and videos in  $3 \times 3$  thumbnails.

### To use the thumbnail view:

- 1 In Playback mode, press the left side of the zoom contol to enter the thumbnail view.
- 2 To view an image or video in full screen, press √/◀, </▶, </p>

**3** To exit the thumbnail view, press the right side of the zoom control.

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### **Erasing photos and videos**

There are two ways to delete an image or video:

- Using the delete m button
- Using the **Erase Pictures** option in the Playback menu. For more information, see "Erasing photos and videos" on page 18. The **Erase Pictures** option lets you erase single photos or videos or all photos or videos.

### Erasing photos or videos using the delete button

### To erase photos or videos using the delete button:

- 1 Slide the **MODE** switch to switch to Playback mode.
- 2 Press ♥/ < or \$/> to select the photo or video you want to erase.
- **3** Press the delete **m** button. A confirmation message appears on the LCD.

Erase this?	
Yes ► Cancel	
▶ Cancel	1

- 4 Press ▲/▲ or Ø/▼ to select Yes, then press OK/DISP to delete. The next photo or video is displayed.
- **5** Repeat Step 2 through Step 4 to delete additional photos or videos.

Note

To erase all photos or videos, see "Erasing photos and videos" on page 18.

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### Using the Record menu

### Setting the quality

The Quality function lets you adjust the quality settings of your photos before you capture them. Quality determines the amount of compression applied to your photos. More compression results in a less detailed image. However, the higher the quality, the greater the memory required for each image captured.

### To set the quality:

- 1 Slide the **MODE** switch to switch to Photo 🙆.
- 2 Press **MENU** to open the Record menu.



3 Press **⊆**/▲ or **O**/▼ to highlight **Quality**, press **OK/DISP** to open the submenu.





5 Press MENU again to close the menu.

### **Setting the resolution**

The Resolution function is used to set the resolution before you capture an image or a video clip. Changing the resolution affects the number of photos or videos that can be stored in your storage media. The higher the resolution, the more memory space is required. High resolution images are ideal for printing and other applications.

High resolution video is ideal for playing back on your own computer or for creating a DVD. Low resolution images and video are ideal for e-mailing and sharing online.

Video resolution can only be changed when Simple mode is set to Off.

### To set the resolution:

Note

- 1 Slide the **MODE** switch to switch to Photo i or Video i mode.
- 2 Press MENU to open the Record menu.



3 Press Image: A or Image: A or



### Video mode



4 Press Image: A or Image: A or

lcon	Setting	lmage size
12M-	High	4000 x 3000 (12 megapixels)
5M -	Medium	2592 x 1944 (5 megapixels)
3M ]	Low	2048 x 1536 (3 megapixels)

### Photo mode (Simple mode off)

lcon	Setting	lmage size
12M	12M	4000 x 3000 (12 megapixels)
8M	8M	3264 x 2448 (8 megapixels)
5M	5M	2592 x 1944 (5 megapixels)
3M	3M	2048 x 1536 (3 megapixels)
16:9	Wide	4000 x 2250

### Video mode

lcon	Setting	lmage size
1 <u>6:9</u>	Wide	16:9 (720 x 400)
640	VGA	VGA (640 x 480)
3 <b>20</b>	QVGA	QVGA (320 x 240)

5 Press MENU again to close the menu.

### **Setting ISO**

The ISO function lets you adjust the ISO sensitivity for recording still images, based on the light levels of your surroundings.

- Use a higher ISO setting in dim conditions and a lower ISO setting in brighter conditions.
- As you move through the selections, the preview on the LCD monitor changes accordingly.

### To set ISO:

- 1 Slide the **MODE** switch to switch to Photo
- 2 Press MENU to open the Record menu.



3 Press **■**/**▲** or **③**/**▼** to highlight ISO, then press **OK/DISP** to open the submenu.



- 4 Press **I**/▲ or **I**/▼ to select the setting you want, then press **OK/DISP**. You can select:
  - **Simple mode off**—Auto, 1600, 800, 400, 200, 100, or 50
  - Simple mode on—Auto, High, Medium, or Low
- 5 Press MENU again to close the menu.

#### Note

- If the stabilizer function is turned on, ISO is automatically set to Auto and cannot be adjusted. To adjust ISO, turn off the stabilizer function first.
- The higher the ISO setting, the grainier the photo will be. This is normal.

### Setting the color balance

The color balance function controls the white balance in capturing still images or videos. As you move through the selections, you can see the preview on the LCD accordingly.

Note

Color balance can only be adjusted when Simple mode is set to **Off**.

### To set the color balance:

- 1 Slide the **MODE** switch to switch to Photo or Video in mode.
- 2 Press MENU to open the Record menu.



3 Press **I**/▲ or **I**/▼ to highlight **Color Balance**, then press **OK/DISP** to open the submenu.



4 Press **I**/▲ or **I**/▼ to select the setting you want, then press **OK/DISP**. You can select:

lcon	ltem	Description
Auto	Auto	The camera automatically adjusts the white balance.
*	Sunny	Ideal for bright, sunny conditions.
	Cloudy	Ideal for cloudy conditions.
	Tungsten	ldeal for indoor photos with tungsten or halogen lighting without a flash.
	Fluorescent	ldeal for indoor photos with fluorescent lighting.

5 Press MENU again to close the menu.

### Turning the stabilizer function on or off

The stabilizer function helps prevent blurred photos. This function is only available for capturing photos.

If the stabilizer function is turned on, the stabilizer icon appears on the LCD, and the **ISO** setting is automatically set to **Auto**.

### To turn the stabilizer feature on or off:

- 1 Slide the **MODE** switch to switch to Photo
- 2 Press MENU to open the Record menu.



3 Press **I**/▲ or **I**/▼ to highlight **Stabilizer**, then press **OK/DISP** to open the submenu.



4 Press **()** ∧ or **()** + to select **On** or **Off**, then press **OK/DISP**.

When the stabilizer function is turned on, an icon will appear on the left side of the LCD.



5 Press MENU again to close the menu.

### Turning the focus light on or off

The focus light is only available for recording still photos. When the focus light is turned on and the lighting is dim, your camera emits amber light until the focus is locked.



### To turn the focus light on or off:

- 1 Slide the **MODE** switch to switch to Photo
- 2 Press MENU to open the Record menu.



3 Press **I**/▲ or **I**/▼ to highlight **Focus Light**, then press **OK/DISP** to open the submenu.



- 4 Press **⊆**/▲ or **O**/▼ to select **On** or **Off**, then press **OK/DISP**.
- 5 Press MENU again to close the menu.

### Setting the metering function

This feature controls exposure metering in recording still images.

#### Note

The metering function can only be set when Simple mode is set to **Off**.

### To set the metering function:

- 1 Slide the **MODE** switch to switch to Photo
- 2 Press MENU to open the Record menu.



3 Press **I**/▲ or **I**/▼ to highlight **Metering**, then press **OK/DISP** to open the submenu.





- - **Center**—Averages the light metered from the entire frame, but gives greater weight to the subject matter at the center.
  - **Multi**—Divides the image into several zones and measures the light in each zone for a balanced exposure reading. Your camera determines shooting conditions according to the measured lighting pattern, and makes exposure settings accordingly.
  - **Spot**—Locks the spot metering frame to the center of the LCD.

An icon that corresponds to the metering mode selected will appear on the left side of the LCD.



5 Press **MENU** again to close the menu.

### Turning burst mode on or off

Burst mode allows for continuous shooting of photos. Burst mode is not available in Video mode.



#### To turn burst mode on or off:

- 1 Slide the **MODE** switch to switch to Photo
- 2 Press MENU to open the Record menu.

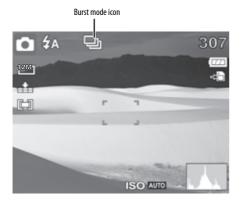


3 Press **I**/▲ or **I**/▼ to highlight **Burst Mode**, then press **OK/DISP** to open the submenu.



4 Press **I**/▲ or **I**/▼ to select **On** or **Off**, then press **OK/DISP**.

When Burst Mode is turned on, an icon appears on the screen.



- 5 Press MENU again to close the menu.
- **6** To use burst mode, hold down the shutter button. Photos are captured in rapid succession.

Note

Burst mode is automatically set to **Off** when you turn your camera off.

### **Using the Playback menu**

### Erasing photos and videos

If a memory card is inserted, you can only erase photos or videos in the memory card. To erase photos and videos in your camera's internal memory, remove the memory card.

### To erase photos and videos:

- 1 Slide the **MODE** switch to switch to Playback mode.
- 2 Press MENU to open the Playback menu.

E	rase Picture	s	
	opy to Card	-	
S	ideshow	Off	
	eletes all pictu		

3 Press **1**/▲ or **1**/▼ to highlight **Erase Pictures**, then press **1**/▶ or **OK/DISP** to open the submenu.

Erase Pictures Copy to Card Slideshow	Single All Cancel	
		ALL AND

- - **Single**—Erases the currently selected photo or video.

  - Caution

Selecting **All** will erase all files on the inserted card, not just photos and videos. Make sure that you back up any files you want to save before you select this option.



• **Cancel**—Cancels the erase function If you select **All**, a screen will appear that indicates there are no stored photos or videos.

5 Press MENU again to close the menu.

### Copying photos and videos to a memory card

You can copy a single photo or video or all photos and videos from internal memory to a memory card. When you copy photos or videos to a memory card, they are still stored in internal memory.



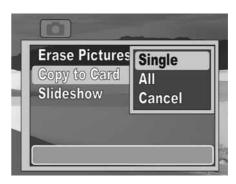
### To copy a single photo or video to a memory card:

- 1 Slide the **MODE** switch to switch to Playback mode.
- 2 Press MENU to open the Playback menu.

Era	se Pictur	es	•
Сор	y to Card	No. of Concession, name	
Slid	eshow	Off	

3 Press . or ♥/▼ to highlight Copy to Card, then press . For OK/DISP to open the submenu.

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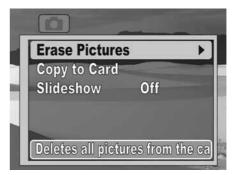
- 4 Press **□**/▲ or **○**/▼ to highlight **Single**, then press **OK/DISP**.
- 5 Press ♥/ < or \$/ > to select the photo or video you want to copy.

	Copy this?
	▶ Yes
	Cancel
L.	

- 6 When the photo or video you want to copy appears on the LCD, press . A or . √ to highlight Yes, then press OK/DISP.
- 7 To copy additional photos or videos, repeat Steps 5 and 6.
- 8 Press . A or . T to select Cancel, then press OK/DISP to exit.
- 9 Press MENU to close the menu.

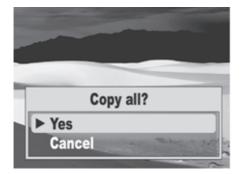
### To copy all photos or videos to a memory card:

- 1 Slide the **MODE** switch to switch to Playback mode.
- 2 Press MENU to open the Playback menu.





4 Press **I**/▲ or **I**/▼ to highlight **All**, then press **OK/DISP**. A confirmation message appears.



- 5 Press . A or . I to highlight Yes, then press OK/DISP.
- 6 Press MENU to close the menu.

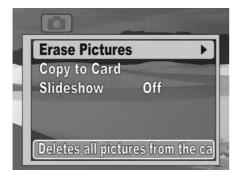
### Viewing a slideshow of photos

#### Note

If a memory card is inserted, photos stored in your camera's internal memory will not be shown in the slideshow. To view a slideshow of photos stored in internal memory, remove the memory card.

### To view a slideshow of photos:

- 1 Slide the **MODE** switch to switch to Playback mode.
- 2 Press MENU to open the Playback menu.



3 Press . A or ✓ to highlight Slideshow, then press .
✓ to OK/DISP to open the submenu.



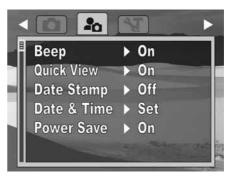
- 4 Press **■**/**▲** or **●**/**▼** to highlight **On**, then press **OK/DISP**. A slideshow of photos begins. When all the photos have been viewed, the slideshow function automatically turns off.
- 5 Press MENU to close the menu.

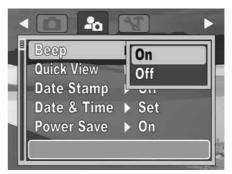
### Using the Setup menu

### Turning alert sounds on or off

### To turn alert sound on or off:

- 1 Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo or Video is mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/ > to select the ♣ (setup) tab. The Setup menu opens.





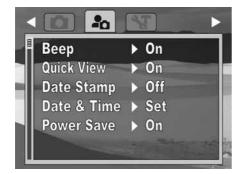
- 6 Press **I**/▲ or **I**/▼ to select **On** or **Off**, then press **OK/DISP**.
- 7 Press MENU to close the menu.

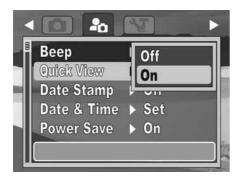
### **Turning Quick View on or off**

The Quick View function lets you view a captured image right after shooting it. If Quick View is turned on, your camera will display the captured image for one second on the LCD. This function can only be turned on or off when Simple mode is set to **Off**.

### To turn Quick View on or off:

- **1** Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/ > to select the ♣ (setup) tab. The Setup menu opens.





- 6 Press . A or . T to select **On** or **Off**, then press **OK/DISP**.
- 7 Press MENU to close the menu.

### Imprinting the date and time on photos

The Date Stamp function lets you add the recording date or date and time on your photos. When this function is turned on, the 🖭 icon is displayed on the LCD.

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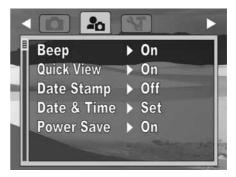
The recording date and time are based on your camera's **Date & Time** settings. After the date or date and time are stamped on a photo, they cannot be edited or deleted.

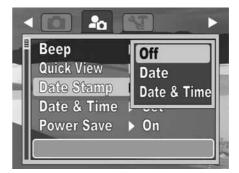
Limitations of the Date Stamp function are as follows:

- Available for photos only.
- On vertically captured photos, the date stamp still appears horizontally.

### To imprint the date and time on photos:

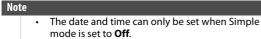
- 1 Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo and mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/ > to select the ♣ (setup) tab. The Setup menu opens.





- 6 Press . A or . T to select Off, Date, or Date & Time, then press OK/DISP.
- 7 Press MENU to close the menu.

### Setting the date and time



### To set the date and time:

- **1** Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo or Video and mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/ > to select the ♣ (setup) tab. The Setup menu opens.



5 Press ▲/▲ or </br>5 Press ▲/▲ or then press /► or OK/DISP to open the date and time screen.



6 Press 6 Press /▲ or /▼ to set the hour, then press 4/▶ to move to the minutes field.

#### Tip

You can press and hold a navigation button to change the values continuously.

7 Repeat Step 4 to set the minutes, select AM or PM, and enter the year, month, and day.

#### Note

If the battery is removed for longer than 48 hours, the date and time must be reset.

8 Press MENU to close the menu.

### **Turning Power Save on or off**

#### Note

The power save function can only be accessed when Simple mode is set to **Off**.

The Power Save function automatically turns off your camera after being idle for a specified period of time to save power.

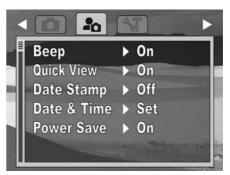
- This function is turned off when:
- Recording and playing a video
- Erasing or copying files
- Using the USB connector

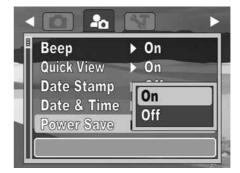
#### Caution

Connecting your camera to a computer using the USB connector will not recharge your camera's battery or enhance battery life. Make sure that you disconnect your camera from the computer and power down your camera when you are finished transferring files to your computer.

#### To turn Power Save on or off:

- 1 Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo or Video is mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/ > to select the ♣ (setup) tab. The Setup menu opens.





- 6 Press . A or . T to select **On** or **Off**, then press **OK/DISP**.
- 7 Press MENU to close the menu.

### Using the Tools menu

### Setting the menu language

### To set the menu language:

- **1** Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo or Video **w** mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/> to select the ♥ (tools) tab. The Tools menu opens.





- 6 Press **⊆**/▲ or **O**/▼ to highlight the language you want, then press **OK/DISP**.
- 7 Press MENU to close the menu.

### Turning help text on or off

Turn on the help text function to display the help information for a highlighted menu option.

```
Note
```

The help text function can only be accessed when Simple mode is set to **Off**.

### To turn help text on or off:

- 1 Turn on your camera
- 2 Slide the **MODE** switch to switch to Photo or Video is mode.
- 3 Press MENU. The on-screen menu opens.

4 Press ♥/ < or \$/> to select the <sup>\*</sup>√ (tools) tab. The Tools menu opens.



5 Press <a>/▲</a> or <a>/▼</a> to highlight Help Text, then press <a>/▶</a> or OK/DISP to open the submenu.



- 6 Press . or . r to highlight On or Off, then press OK/DISP.
- 7 Press MENU to close the menu.

### Resetting settings to the factory defaults

The factory reset function resets your camera to its factory default settings without deleting any captured photos or videos.

Note

The factory reset function can only be accessed when Simple mode is set to **Off**.

### To reset settings to the factory defaults:

- 1 Turn on your camera.
- 2 Slide the **MODE** switch to switch to Photo or Video iii mode.
- 3 Press MENU. The on-screen menu opens.
- 4 Press ♥/ < or \$/> to select the ♥ (tools) tab. The Tools menu opens.





5 Press **I**/▲ or **I**/▼ to highlight **Factory Reset**.



6 Press ↓/ → or **OK/DISP**. A confirmation message appears.



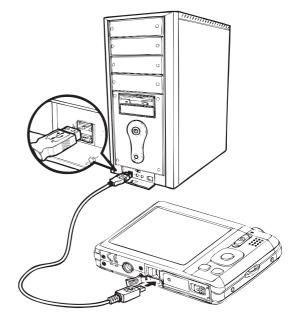
- 7 Press **⊆**/▲ or **O**/▼ to highlight **Yes**, then press **OK/DISP**.
- 8 Press MENU to close the menu.

# Transferring files to a computer

You can transfer photos and video files to your computer.

### To transfer files to a computer:

1 Connect the camera to a camera using the supplied USB cable.



2 Turn on the camera. The computer detects the connection. Your camera's internal memory and memory card display as removable drives in the file manager. No image is displayed on the LCD.

#### Caution

Connecting your camera to a computer using the USB connector will not recharge your camera's battery or enhance battery life. Make sure that you disconnect your camera from the computer and power down your camera when you are finished transferring files to your computer.

#### Note

You can also use a card reader to access the memory card contents of your camera.

### Troubleshooting

Problem	Cause and/or Action
Camera does not turn on	The battery may be exhausted. Charge or replace the battery.
Camera turns off automatically	Press any button except <b>POWER</b> button to turn on the camera.
LCD turns blank	Press any button except <b>POWER</b> to turn on the LCD.
Empty battery icon is displayed on the LCD, then the camera turns off.	Battery is exhausted. Replace or recharge the battery.
LCD screen displays "No image"	No images have been stored in the memory media currently in use. The image file format stored on a memory card may not be supported.
LCD screen displays "Not avail- able for this file"	Function is only available for specific file types. File format is not supported.
LCD screen displays "Memory full"	Memory card is full. Replace the memory card with a new one or delete unnecessary files.
LCD screen displays "Card locked"	The memory card is protected. Remove the card and slide the write-protect switch to its unlocked position.
LCD screen displays "Copy error"	The memory card is protected. Remove the card and slide the write-protect switch to its unlocked position. The memory card is full. Replace card or delete unnecessary files.
The lens does not retract	<b>Do not force the lens to go back.</b> The type of the battery used may be incorrect or the battery power level is too low. Change the battery or charge the battery before using your camera.

### **Specifications**

LensFocal Length: F = 5.05 (W) ~ 20.2 (T) mm (optical zoom sange 28.6 ~ 108.8 mm), A× optical zoom, 5× digital zoomLCD2.7-inch color LCDFocusing rangeNormal mode: Wide: 27.56 in, ~ infinity (100 cm ~ infinity) Tele: 39.37 in. ~ infinity (100 cm ~ infinity) Macro mode: Wide: 4.72 in, ~ 39.37 in. (12 cm ~ 100 cm) Tele: 27.56 in, ~ 47.24 in. (70cm ~ 120 cm)Aperture52.8(W) ~ 66.3(T)ShutterType: Mechanical and electronic shutter Speed: 1 - 1/2,000 sec.File formatStill Image: EXIF 2.2 compatible JPEG Video: Motion JPEGResolution (still image)12 megapixels (2400 × 3000) 8 megapixels (2592 × 1944) 3 megapixels (2506 × 2448) 5 megapixels (2506 × 2448) 5 megapixels (2506 × 2448) 5 megapixels (2507 × 200, 400, 800, 1600 Simple mode orf: Auto, 50, 100, 200, 400, 800, 1600 Simple mode orf: Auto, 50, 100, 200, 400, 800, 1600 Simple mode orf: Auto, Low (100), Medium (400), High (800)Color balanceAuto, Sunny, Cloudy, Tungsten, Fluorescent Exposure controlKetering: Multi fixed Face Recognition AE & AFSelf-timer10 sec., OffFlashAuto, Red-eye Reduction, Forced On, Slow Sync, Forced OffStorageInternal memory: 32 MB flash memory Available capacity for photo/video storage: approximately 20 MB External memory: 50 card (up to 4 GB), SDHC card (up to 32 GB)OSD languageEnglish, French, Spanish, Simplified Chinese, JapaneseInterfaceUSBBatteryType: Li-ion (NP45)Operating h	Sensor	12 megapixels, Type: 1/2.3
International mode:Focusing rangeNormal mode:Wide: 27.56 in. ~ infinity (70 cm ~ infinity)Iele: 39.37 in. ~ infinity (100 cm ~ infinity)Macro mode:Wide: 4.72 in. ~ 39.37 in. (12 cm ~ 100 cm)Iele: 27.56 in. ~ 47.24 in. (70cm ~ 120 cm)Aperturef2.8(W) ~ f6.3(T)ShutterType: Mechanical and electronic shutterSpeed: 1 - 1/2,000 sec.File formatSill Image: EXIF 2.2 compatible JPEGVideo: Motion JPEGResolution (still image)12 megapixels (4000 × 3000)8 megapixels (2048 × 1536)Wide (4000 × 2250)SensitivitySimple mode off: Auto, 50, 100, 200, 400, 800, 1600Simple mode off: Auto, 50, 100, 200, 400	Lens	(optical zoom range 28.6 ~ 108.8 mm),
Name InstantNumber InstantWide: 27.56 in. ~ infinity (70 cm ~ infinity) Tele: 39.37 in. (12 cm ~ 100 cm) Tele: 27.56 in. ~ 47.24 in. (70 cm ~ 120 cm)Aperture52.8(W) ~ f6.3(T)ShutterType: Mechanical and electronic shutter Speed: 1 - 1/2,000 sec.File formatStill Image: EXIF 2.2 compatible JPE6 Video: Motion JPE6Resolution (still image)12 megapixels (4000 × 3000) 8 megapixels (3264 × 2448) 5 megapixels (2292 × 1944) 3 megapixels (2048 × 1536) Wide (4000 × 2250)SensitivitySimple mode off: Auto, 50, 100, 200, 400, 800, 1600 Simple mode on: Auto, Low (100), Medium (400), High (800)Color balanceAuto, Sunny, Cloudy, Tungsten, Fluorescent Exposure compensation-2EV to + 2EV (1/3EV steps), Auto exposureExposure controlMetering: Multi fixed Face Recognition AE & AFSelf-timer10 sec., OffFlashAuto, Red-eye Reduction, Forced On, Slow Sync, Forced OffStorageInternal memory: 32 MB flash memory Available capacity for photo/video storage: approximately 20 MB External memory: 5D card (up to 4 GB), SDHC card (up to 32 GB)OSD languageInternal memory: 32 CMB flash memory Available capacity for photo/video storage: approximately 20 MB External memory: 5D card (up to 4 GB), SDHC card (up to 32 GB)Operating temperature32°F ~ 104°F (0°C ~ 40°C)Operating temperature32°F ~ 104°F (0°C ~ 40°C)Operating humidity0% - 90%MicrophoneBuilt-inSpeakerBuilt-i	LCD	2.7-inch color LCD
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Speaker         Built-in           Dimensions         0.67 × 2.74 × 3.62 in. (16.99 × 57.77 × 91.88 mm)	Operating humidity	0% - 90%
Dimensions 0.67 × 2.74 × 3.62 in. (16.99 × 57.77 × 91.88 mm)	Microphone	Built-in
(16.99 × 57.77 × 91.88 mm)	Speaker	Built-in
Weight 3.53 oz. (100 g) without Li-ion battery	Dimensions	
	Weight	3.53 oz. (100 g) without Li-ion battery

# INSIĜNIA \_\_

### Legal notices

### FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

### FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

#### Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

### **One-year limited warranty**

Insignia Products ("Insignia") warrants to you, the original purchaser of this new product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

#### How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

#### What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

#### How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

### Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

#### What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

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REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

#### Contact Insignia:

For customer service please call 1-877-467-4289 www.insigniaproducts.com

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